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NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/Caplus
NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 13 APR 26 PROMT: New display field available
NEWS 14 APR 26 FIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 15 APR 26 LITALERT now available on STN
NEWS 16 APR 27 NLDB: New search and display fields available

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FILE 'HOME' ENTERED AT 18:39:07 ON 27 APR 2004

=> file caplus uspatful europatful japio medline biosis embase

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=> s inhal? and (powder? or partic?)

L1 96645 INHAL? AND (POWDER? OR PARTIC?)

=> s l1 and (betamimetic? or anticholinergic? or corticosteroid? or (dopamine agonist#))

L2 8923 L1 AND (BETAMIMETIC? OR ANTICHOLINERGIC? OR CORTICOSTEROID? OR (DOPAMINE AGONIST#))

=> s l2 and (particle size)

L3 1607 L2 AND (PARTICLE SIZE)

=> s l3 and tiotropium

L4 120 L3 AND TIOTROPIUM

=> s l4 and (monsaccharide# or disaccharide# or oligosaccharide# or polysaccharide# or polyols or polyalcohols)

L5 56 L4 AND (MONSACCHARIDE# OR DISACCHARIDE# OR OLIGOSACCHARIDE# OR POLYSACCHARIDE# OR POLYOLS OR POLYALCOHOLS)

=> s l4 and (monosaccharide# or disaccharide# or oligosaccharide# or polysaccharide# or polyols or polyalcohols)

L6 56 L4 AND (MONOSACCHARIDE# OR DISACCHARIDE# OR OLIGOSACCHARIDE# OR POLYSACCHARIDE# OR POLYOLS OR POLYALCOHOLS)

=> s l6 and (excipient particles)

L7 1 L6 AND (EXCIPIENT PARTICLES)

=> d l7 1 ibib aba

'ABA' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

The following are valid formats:

The default display format is STD.

ABS ----- AB

ALL ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL, DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS, EXF, ARTU

ALLG ----- ALL plus PAGE.DRAW

BIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI,

PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT
 BIB.EX ----- BIB for original and latest publication
 BIBG ----- BIB plus PAGE.DRAW
 BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE". BROWSE must
 entered on the same line as DISPLAY, e.g., D BROWSE.
 CAS ----- OS, CC, SX, ST, IT
 CBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS
 DALL ----- ALL, delimited for post-processing
 FP ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI,
 PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL,
 NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP,
 CLMN, DRWN, AB
 FP.EX ----- FP for original and latest publication
 FPALL ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
 RLI, PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL, NCLM,
 NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,
 PARN, SUMM, DRWD, DETD, CLM
 FPBIB ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
 RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN
 FHITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 FPG ----- FP plus PAGE.DRAW
 GI ----- PN and page image numbers
 HIT ----- All fields containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IALLG ----- IALL plus PAGE.DRAW
 IBIB ----- BIB, indented with text labels
 IBIB.EX ----- IBIB for original and latest publication
 IBIBG ----- IBIB plus PAGE.DRAW
 IMAX ----- MAX, indented with text labels
 IMAX.EX ----- IMAX for original and latest publication
 IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
 EXF, ARTU, OS, CC, SX, ST, IT
 ISTD ----- STD, indented with text labels
 KWIC ----- All hit terms plus 20 words on either side
 MAX ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
 RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
 DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
 INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
 EXF, ARTU OS, CC, SX, ST, IT
 MAX.EX ----- MAX for original and latest publication
 OCC ----- List of display fields containing hit terms
 SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT
 SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, ICM, ICS (random display
 without answer number. SCAN must be entered on the
 same line as DISPLAY, e.g., D SCAN)
 STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
 IC, ICM, ICS, EXF (STD is the default)
 STD.EX ----- STD for original and latest publication
 TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
 ICM, ICS

ENTER DISPLAY FORMAT (STD):abs

L7 ANSWER 1 OF 1 USPATFULL on STN

AB A combination of therapeutic agents useful in the treatment of
 obstructive airways and other inflammatory diseases comprising (i) an
 adenosine A.sub.2A receptor agonist; and (ii) an anti-cholinergic agent,

preferably comprising a member selected from the group consisting of **tiotropium** and derivatives thereof; the combination being therapeutically effective in the treatment of the diseases when administered by **inhalation**; as well as to a method of treating the obstructive airways and other inflammatory diseases comprising administering separately, simultaneously or sequentially to the mammal by **inhalation** a therapeutically effective amount of the combination of therapeutic agents; as well as to a pharmaceutical composition comprising a pharmaceutically acceptable carrier together with the combination of therapeutic agents; as well as to a product containing the compounds of the combination for separate, simultaneous or sequential administration by **inhalation** to a mammal for the treatment of obstructive airways and other inflammatory diseases. It is preferred that the anti-cholinergic agent component be **tiotropium** bromide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l7 ibib

L7 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2003:17922 USPATFULL
 TITLE: Combination of an adenosine A2A-receptor agonist and **tiotropium** or a derivative thereof for treating obstructive airways and other inflammatory diseases
 INVENTOR(S): Yeadon, Michael, Sandwich, UNITED KINGDOM
 Watson, John W., Ledyard, CT, UNITED STATES
 Armstrong, Roison Anne, Mystic, CT, UNITED STATES
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013675	A1	20030116
APPLICATION INFO.:	US 2002-154561	A1	20020524 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293530P	20010525 (60)
	US 2001-303934P	20010709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	42	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4413	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'CAPLUS, USPATFULL, EUROPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE'
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L1 96645 S INHAL? AND (POWDER? OR PARTIC?)
 L2 8923 S L1 AND (BETAMIMETIC? OR ANTICHOLINERGIC? OR CORTICOSTEROID? O
 L3 1607 S L2 AND (PARTICLE SIZE)
 L4 120 S L3 AND TIOTROPIUM
 L5 56 S L4 AND (MONSACCHARIDE# OR DISACCHARIDE# OR OLIGOSACCHARIDE#
 L6 56 S L4 AND (MONOSACCHARIDE# OR DISACCHARIDE# OR OLIGOSACCHARIDE#
 L7 1 S L6 AND (EXCIPIENT PARTICLES)

=> s l6 and (bioactive particle)
L8 0 L6 AND (BIOACTIVE PARTICLE)

=> s l6 and (bioactive particles)
L9 0 L6 AND (BIOACTIVE PARTICLES)

=> s l6 and (active particles)
L10 0 L6 AND (ACTIVE PARTICLES)

=> s l6 and larger
L11 13 L6 AND LARGER

=> d l11 1-13 ibib abs

L11 ANSWER 1 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2004:61037 USPATFULL

TITLE: Pharmaceutical delivery system for oral
inhalation through nebulization consisting of
inert substrate impregnated with substance (S) to be
solubilized or suspended prior to use

INVENTOR(S): Hirsh, Jane, Wellesley, MA, UNITED STATES

Lo, Whe-Yong, Canton, MA, UNITED STATES

PATENT ASSIGNEE(S): PEIRCE MANAGEMENT, LLC (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004045546	A1	20040311
APPLICATION INFO.:	US 2002-242803	A1	20020905 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	PATREA L. PABST, HOLLAND & KNIGHT LLP, SUITE 2000, ONE ATLANTIC CENTER, 1201 WEST PEACHTREE STREET, N.E., ATLANTA, GA, 30309-3400		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	1315		

AB A pharmaceutical delivery system for oral **inhalation** is disclosed through nebulization consisting of an inert supporting material impregnated with or deposited with pharmaceutically active ingredient which must be solubilized or suspended in a pharmaceutical solvent to form a solution or suspension prior to administration. Each pharmaceutical delivery unit dosage form comprises one or more therapeutically effective and safe amounts of pharmaceutically active ingredient uniformly impregnated in or deposited on a supporting material which is a natural or synthetic polymer, woven or non-woven fabrics, inert paper, inorganic materials such as foil and combination thereof in a single or multi-layer lamination in a form of a sheet or strip or film or membrane or sponge-like or cup or well. The dosage form of this invention is to be administered to a patient through oral or nasal **inhalation** using a nebulizer after reconstitution with a reconstituting solvent.

L11 ANSWER 2 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2004:39365 USPATFULL

TITLE: Powder formulations containing
tiotropium suitable for **inhalation**

INVENTOR(S): Banholzer, Rolf, Stuttgart, GERMANY, FEDERAL REPUBLIC
OF
Graulich, Manfred, Waldalgesheim, GERMANY, FEDERAL
REPUBLIC OF
Kulinna, Christian, Attenweiler, GERMANY, FEDERAL

REPUBLIC OF
 Mathes, Andreas, Ockenheim, GERMANY, FEDERAL REPUBLIC
 OF
 Meissner, Helmut, Ingelheim, GERMANY, FEDERAL REPUBLIC
 OF
 Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL
 REPUBLIC OF
 Specht, Peter, Ober-Hilbersheim, GERMANY, FEDERAL
 REPUBLIC OF
 Trunk, Michael Josef Friedrich, Ingelheim, GERMANY,
 FEDERAL REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
 GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004029907	A1	20040212
APPLICATION INFO.:	US 2003-406723	A1	20030403 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-7634	20020404
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	571	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of making a physically stable and homogenous **powdered**
 pharmaceutical composition comprising a **tiotropium** salt and a
 physiologically acceptable excipient, the method comprising:

(a) suspending the **tiotropium** salt and the physiologically
 acceptable excipient in a suspending agent in which the
tiotropium salt and the physiologically acceptable excipient are
 essentially insoluble to obtain a suspension; and

(b) removing the suspending agent from the suspension of step (a) to
 obtain the pharmaceutical composition,

the pharmaceutical composition itself, and method of treating
 respiratory diseases, especially chronic obstructive pulmonary disease
 and asthma, in a patient in need thereof by administering an effective
 amount of the pharmaceutical composition to the patient.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 3 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2004:2487 USPATFULL

TITLE: Crystalline micronisate, process for the manufacture
 thereof and use thereof for the preparation of a
 medicament

INVENTOR(S): Bender, Helmut, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
 Graebner, Hagen, Ingelheim, GERMANY, FEDERAL REPUBLIC
 OF
 Schindler, Konrad, Ingelheim, GERMANY, FEDERAL REPUBLIC
 OF
 Trunk, Michael, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
 GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004002510	A1	20040101
APPLICATION INFO.:	US 2003-385175	A1	20030310 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10212264	20020320
	US 2002-413129P	20020924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P.O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	880	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a crystalline micronisate of
(1 α , 2 β , 4 β , 5 α , 7 β)-7-[(hydroxydi-2-
thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0^{sup}.2,4]n
onane-bromide, processes for preparing it and its use for preparing a
pharmaceutical composition, **particularly** for preparing a
pharmaceutical composition with an **anticholinergic** activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 4 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2003:152386 USPATFULL
TITLE: Gastric retentive oral dosage form with restricted drug
release in the lower gastrointestinal tract
INVENTOR(S): Berner, Bret, El Granada, CA, UNITED STATES
Louie-Helm, Jenny, Union City, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003104052	A1	20030605
APPLICATION INFO.:	US 2001-24932	A1	20011218 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-45816, filed on 25 Oct 2001, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	REED & EBERLE LLP, 800 MENLO AVENUE, SUITE 210, MENLO PARK, CA, 94025		
NUMBER OF CLAIMS:	61		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Page(s)		
LINE COUNT:	2156		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Controlled release oral dosage forms are provided for the continuous,
sustained administration of a pharmacologically active agent to the
upper gastrointestinal tract of a patient in whom the fed mode as been
induced. The majority of the agent is delivered, on an extended release
basis, to the stomach, duodenum and upper regions of the small
intestine, with drug delivery in the lower gastrointestinal tract and
colon substantially restricted. The dosage form comprises a matrix of a
biocompatible, hydrophilic, erodible polymer with an active agent
incorporated therein, wherein the polymer is one that both swells in the
presence of water and gradually erodes over a time period of hours, with
swelling and erosion commencing upon contact with gastric fluid, and
drug release rate primarily controlled by erosion rate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2003:127712 USPATFULL
TITLE: Crystalline **anticholinergic**, processes for preparing it and its use for preparing a pharmaceutical composition
INVENTOR(S): Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL REPUBLIC OF
Werthmann, Ulrike, Mittelbiberach, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003087927	A1	20030508
	US 6608055	B2	20030819
APPLICATION INFO.:	US 2002-167198	A1	20020611 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-129710	20010622
	DE 2002-10215436	20020408
	US 2001-313519P	20010820 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877

NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 701

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to crystalline anhydrous (1 α ,2 β ,4 β ,5 α ,7 β)-7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}.sup.2,4]nonane-bromide, processes for preparing it and its use for preparing a pharmaceutical composition, **particularly** for preparing a pharmaceutical composition with an **anticholinergic** activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2003:127094 USPATFULL
TITLE: Methods for identifying novel multimeric agents that modulate receptors
INVENTOR(S): Christensen, Burton G., Alamo, CA, UNITED STATES
Griffin, John H., Atherton, CA, UNITED STATES
Jenkins, Thomas E., La Honda, CA, UNITED STATES
Judice, J. Kevin, El Granada, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003087306	A1	20030508
APPLICATION INFO.:	US 2001-15534	A1	20011213 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-493462, filed on 28 Jan 2000, ABANDONED Continuation of Ser. No. US 1999-327904, filed on 8 Jun 1999, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-92938P	19980715 (60)
	US 1998-88466P	19980608 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THERAVANCE, INC., 901 GATEWAY BOULEVARD, SOUTH SAN FRANCISCO, CA, 94080	

NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 52 Drawing Page(s)
LINE COUNT: 8387

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are novel multi-binding compounds (agents) which bind cellular receptors. The compounds of this invention comprise a plurality of ligands each of which can bind to such cellular receptors thereby modulating the biological processes/functions thereof. Each of the ligands is covalently attached to a linker or linkers which may be the same of different to provide for the multi-binding compound. The linker is selected such that the multi-binding compound so constructed demonstrates increased modulation or disruption of the biological processes/functions of the cell. Also disclosed is a method for identifying such novel multi-binding compounds which bind cellular receptors and a method for generating a mixture of such novel multi-binding compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2003:103784 USPATFULL
TITLE: Capsules containing **inhalable tiotropium**
INVENTOR(S): Hochrainer, Dieter, Bingen, GERMANY, FEDERAL REPUBLIC OF
Bechtold-Peters, Karoline, Biberach-Risseegg, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003070679	A1	20030417
APPLICATION INFO.:	US 2002-159451	A1	20020531 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-126924	20010601
	US 2001-304288P	20010709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	834	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to capsules for **inhalation (inhalettes)** made from specific capsule materials with a reduced moisture content, which contain the active substance **tiotropium** in the form of **powdered** preparations and are characterised by increased stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 8 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2003:99174 USPATFULL
TITLE: Process for preparing **inhalable powders**
INVENTOR(S): Boeck, Georg, Mainz, GERMANY, FEDERAL REPUBLIC OF
Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,

FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003068278	A1	20030410
APPLICATION INFO.:	US 2002-225781	A1	20020822 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-DE141376	20010823
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	685	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a new process for producing **powdered** preparations for **inhalation** comprising a substance having a smaller **particle size** distribution and a substance having a **larger particle size** distribution, wherein a substance having a smaller **particle size** distribution and a substance having a **larger particle size** distribution are continuously metered into a suitable mixing container such that the quotient N of the delivery speed for the metering of the substance having the smaller **particle size** distribution and the delivery speed for the metering of the substance having the **larger particle size** distribution is at least as great as the quotient M of the total mass of the substance having the smaller **particle size** distribution and the total mass of the substance having the **larger particle size** distribution.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 9 OF 13 USPATFULL on STN
ACCESSION NUMBER: 2003:63569 USPATFULL
TITLE: Sprinkling method for preparing **powder** formulations
INVENTOR(S): Boeck, Georg, Mainz, GERMANY, FEDERAL REPUBLIC OF
Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY,
FEDERAL REPUBLIC OF, D-55216 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003043687	A1	20030306
APPLICATION INFO.:	US 2002-226062	A1	20020822 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-141377	20010823
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	635	

AB The invention relates to a new process for producing **powdered** preparations for **inhalation** wherein a substance having a smaller **particle size** distribution is metered

continuously through a suitable feed device onto a moving bed of a powdered substance having a larger particle size distribution.

L11 ANSWER 10 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2003:17922 USPATFULL

TITLE: Combination of an adenosine A2A-receptor agonist and **tiotropium** or a derivative thereof for treating obstructive airways and other inflammatory diseases
Yeadon, Michael, Sandwich, UNITED KINGDOM
Watson, John W., Ledyard, CT, UNITED STATES
Armstrong, Roison Anne, Mystic, CT, UNITED STATES
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013675	A1	20030116
APPLICATION INFO.:	US 2002-154561	A1	20020524 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293530P	20010525 (60)
	US 2001-303934P	20010709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	42	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4413	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A combination of therapeutic agents useful in the treatment of obstructive airways and other inflammatory diseases comprising (i) an adenosine A.sub.2A receptor agonist; and (ii) an anti-cholinergic agent, preferably comprising a member selected from the group consisting of **tiotropium** and derivatives thereof; the combination being therapeutically effective in the treatment of the diseases when administered by **inhalation**; as well as to a method of treating the obstructive airways and other inflammatory diseases comprising administering separately, simultaneously or sequentially to the mammal by **inhalation** a therapeutically effective amount of the combination of therapeutic agents; as well as to a pharmaceutical composition comprising a pharmaceutically acceptable carrier together with the combination of therapeutic agents; as well as to a product containing the compounds of the combination for separate, simultaneous or sequential administration by **inhalation** to a mammal for the treatment of obstructive airways and other inflammatory diseases. It is preferred that the anti-cholinergic agent component be **tiotropium** bromide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 11 OF 13 USPATFULL on STN

ACCESSION NUMBER: 2002:205842 USPATFULL

TITLE: **Inhalable powder** containing **tiotropium**

INVENTOR(S): Bechtold-Peters, Karoline, Biberach, GERMANY, FEDERAL REPUBLIC OF
Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
Boeck, Georg, Mainz, GERMANY, FEDERAL REPUBLIC OF
Doerr, Rolf, Ober-Olm, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110529	A1	20020815
APPLICATION INFO.:	US 2001-975418	A1	20011011 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-DE10050635	20001012
	US 2000-252683P	20001122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	561	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to **powdered** preparations containing **tiotropium** for **inhalation**, processes for preparing them as well as their use in preparing a pharmaceutical composition for the treatment of respiratory complaints, **particularly** for the treatment of COPD (chronic obstructive pulmonary disease) and asthma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 12 OF 13 USPATFULL on STN
 ACCESSION NUMBER: 2002:198239 USPATFULL
 TITLE: Process for preparing **powder** formulations
 INVENTOR(S): Walz, Michael, Bingen, GERMANY, FEDERAL REPUBLIC OF
 Boeck, Georg, Mainz, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106332	A1	20020808
	US 6585959	B2	20030701
APPLICATION INFO.:	US 2001-977911	A1	20011011 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-DE10050635	20001012
	DE 2001-DE138022	20010810
	US 2000-252683P	20001122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	650	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a new process for producing **powdered** preparations for **inhalation**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 13 OF 13 USPATFULL on STN
 ACCESSION NUMBER: 2001:75378 USPATFULL
 TITLE: Methods and compositions for the prevention of
 tolerance to medications
 INVENTOR(S): Ahmed, Tahir, Coral Gables, FL, United States
 PATENT ASSIGNEE(S): Baker Norton Pharmaceuticals, Inc., Miami, FL, United
 States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 6235725 B1 20010522
APPLICATION INFO.: US 1999-362540 19990728 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-106507P	19981030 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Peselev, Elli	
LEGAL REPRESENTATIVE:	Levi-Minzi, Simona A.	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	985	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention pertains to the identification of moieties and methods of using the same for preventing tolerance to bronchodilators. More specifically, the present invention pertains to the identification of compositions and methods which are capable of preventing tolerance to β .sub.2 -adrenergic agonists. The methods and compositions according to the invention are also useful as analytical tools for functional studies and as combination therapeutic tools.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> FILE INPADOC

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FULL ESTIMATED COST	5.89	137.33

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L14 3 L13

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L15 1 L14 AND US/PC

=> SEL PN

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=> SEL PN

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